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August 1963

PHOTOGRAPHIC INTERPRETATION REPORT

S-9434

TOWERS AT SA-3 SAM SITES, USSR



CIA



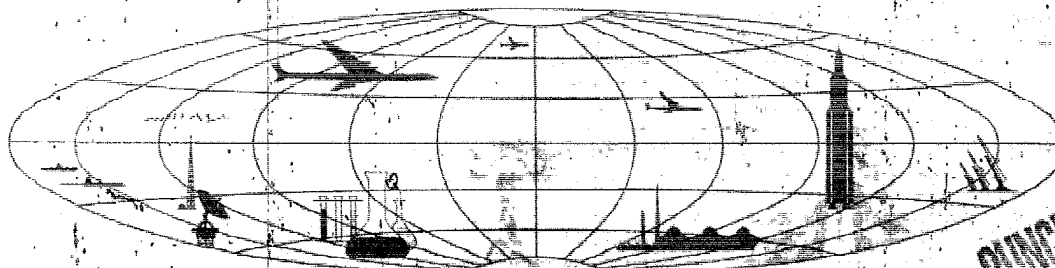
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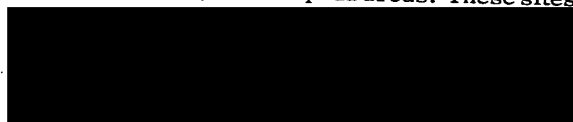
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TOWERS AT SA-3 SAM SITES, USSR

This report provides an answer to DIA requirement DIAXX 63-78 and CIA requirement C-RR 3-80,426 which request an examination of KEYHOLE photography covering 12 SA-3 surface-to-air missile (SAM) sites in the Leningrad, Moscow, and Klaipeda areas. These sites

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An analysis of these 12 SA-3 sites (Table 1) and 2 additional sites in the Leningrad area reveals that 4 of the Leningrad SA-3 sites studied have towers in the centrally located probable guidance areas (Figure 1). At each of these 4 sites an additional tower or possible tower was observed located to the rear of the operational area.

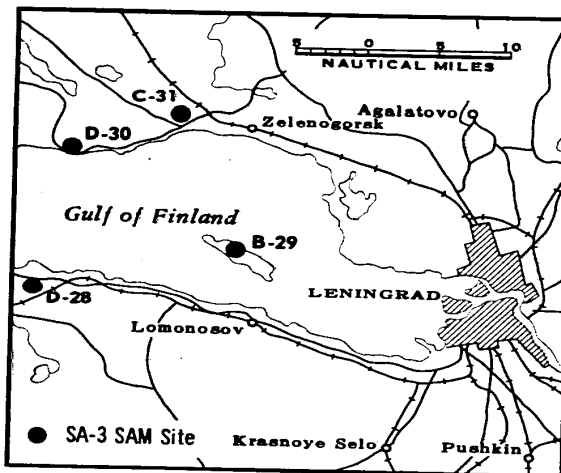


FIGURE 1. SA-3 SAM SITES WITH TOWERS.

Table 1. Tabulation of the SA-3 SAM Sites Analyzed

SA-3 SAM Site	BE No	Coordinates	Towers				Distance Between Towers (ft)
			In Prob Guidance Area Height (ft)	Diameter (ft)	Rear Height (ft)	Diameter (ft)	
Leningrad							
✓ B-29		60-01-30N 29-41-10E	55	35	Poss tower		590
✓ C-31		60-13-55N 29-34-45E	70	40	75	--	845
✓ D-28		59-57-50N 29-17-10E	Cannot measure		55	40	725
✓ D-30		60-10-00N 29-23-10E	70	40	At least 55	40	725
✓ C-36		60-23-00N 30-09-30E	None observed		--	--	---
D-24		59-37-30N 29-28-00E	None; site u/c		--	--	---
D-25		59-42-20N 29-17-10E	None; site u/c		--	--	---
✓ D-32		60-20-05N 29-37-00E	Poss tower adjacent to guidance area		--	--	---
✓ D-34		60-27-20N 29-44-00E	None; site u/c		--	--	---
Moscow							
E-28		55-52-20N 36-16-40E	Poss tower		None observed		---
E-29		56-01-10N 36-19-20E	Poss tower		None observed		---
E-32		56-16-10N 36-37-40E	None; site u/c		--	--	---
E-34		56-25-35N 36-58-40E	None observed		--	--	---
Klaipeda							
A-17		55-37-48N 21-10-14E	Poss tower		--	--	---

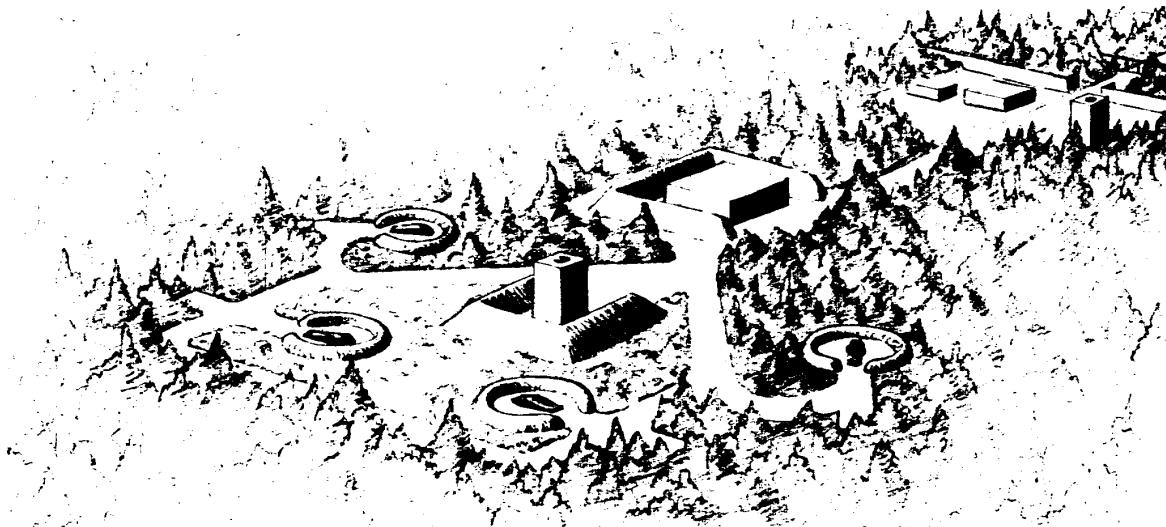
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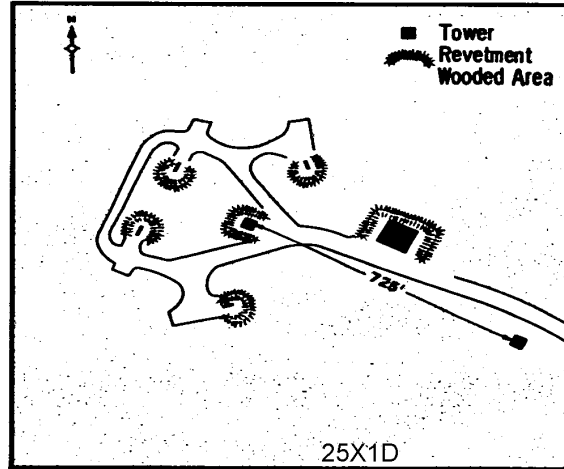
FIGURE 2. CONCEPT OF AN SA-3 SAM SITE WITH TOWERS.

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shadow atop each tower in the guidance area;

however, further analysis. The shadow cast by the rear tower at one site, Leningrad SA-3 Site D-30, is light in tone, possibly indicating a lattice-



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FIGURE 3. LENINGRAD SA-3 SAM SITE D-30

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FIGURE 4. LENINGRAD SA-3 SAM SITE C-31

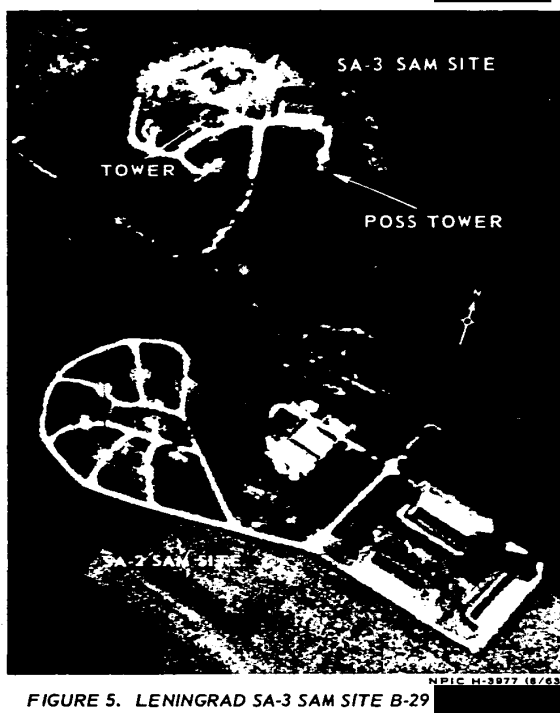


FIGURE 5. LENINGRAD SA-3 SAM SITE B-29

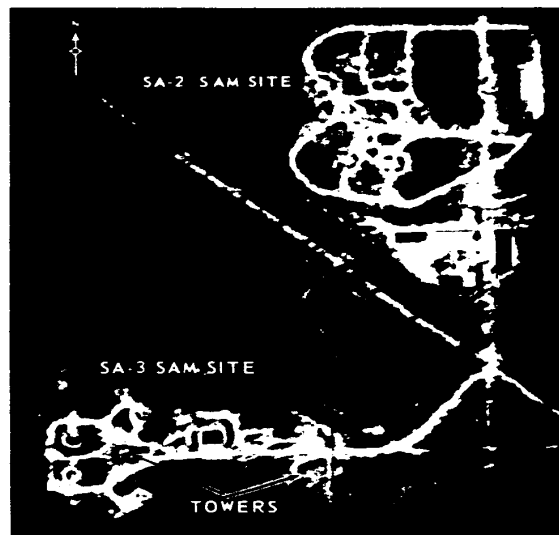


FIGURE 6. LENINGRAD SA-3 SAM SITE D-28

type construction. A perspective sketch of a representative SA-3 site in the Leningrad area (Figure 2) gives a concept of the relationship of the towers to the site launch area.

A line drawing and photograph of Leningrad SA-3 Site D-30 (Figure 3) show the distance between the towers and their location with respect to other facilities within the site.

Possible towers were observed at Leningrad SA-3 Site D-32, Moscow SA-3 Sites E-28 and E-29, and Klaipeda SA-3 Site A-17. Height measurements were not possible at these sites.

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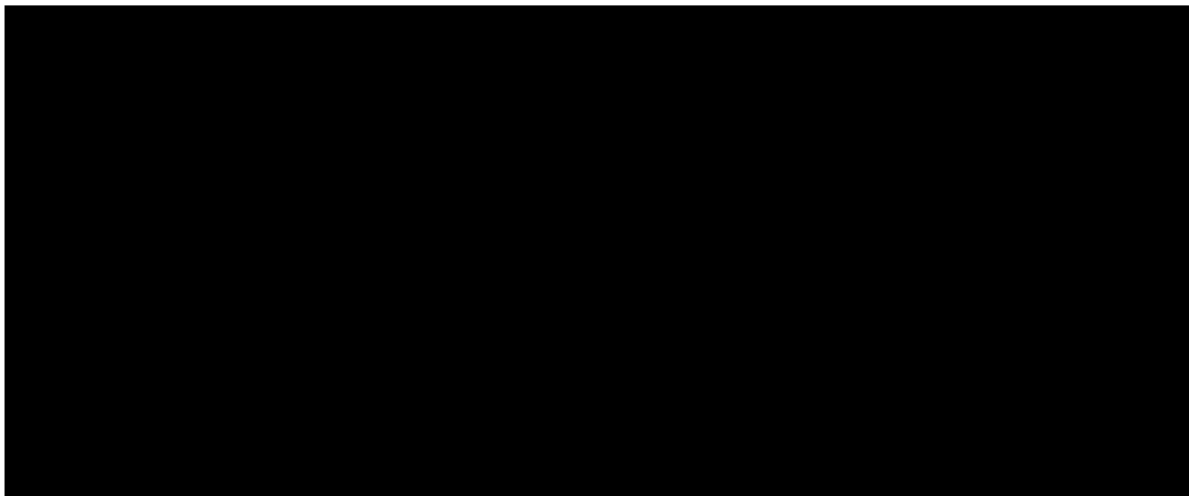
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REFERENCES

PHOTOGRAPHY

Mission	Date	Pass	Camera	Frames	Classification
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MAPS OR CHARTS

Leningrad

ACIC. US Air Target Chart, Series 200, 0103-24HL, 3d ed, Jun 62 (SECRET)

ACIC. US Air Target Chart, Series 200, 0103-25HL, 3d ed, Jun 62 (SECRET)

ACIC. US Air Target Chart, Series 200, 0153-4HL, 2d ed, May 63 (SECRET)

Moscow

DIA. US Air Target Chart, Series 200, 0154-22HL, 2d ed, Mar 63 (SECRET)

DIA. US Air Target Chart, Series 200, 0167-4HL, 2d ed, Mar 63 (SECRET)

Klaipeda

SAC. US Air Target Chart, Series 200, 0168-1HL, 2d ed, Jul 62 (SECRET)

REQUIREMENTS

DIA. DIAXX 63-78 (partial answer)

CIA. C-RR3-80,426 (partial answer)

NPIC PROJECT

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